

122/5000 Frequency of fimA and fyuA virulence genes in E. coli isolated urinary tract infections and its relation with biofilm formation

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Abstract Urinary tract infections are one of the most commonly reported nosocomial infections caused by colonization of E. coli E. coli in host mucosal epithelium and damage host tissue. The aim of this study is to determine the formation of a biofilm of E. coli in patients with urinary tract infections. **materials and methods** : 100 bacterial culture samples were collected patients with urinary tract infection. Microfiltration of this bacterium was performed. Antibiotic resistance of bacteria was evaluated. **findings**: The prevalence of FIMA-R and FYU A-R genes was reported as 34% and 12%, respectively. **Conclusion**: The prevalence of fimA³⁴ was reported in the present study. The present study showed that the virulence genes fimA and fyuA are relatively high in the strains of E. coli. For the treatment of E. coli infection, gentamicin, chloramphenicol and amipenem antibiotics are recommended. .

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